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WP3 Earth system observations

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WP3 Earth system observations

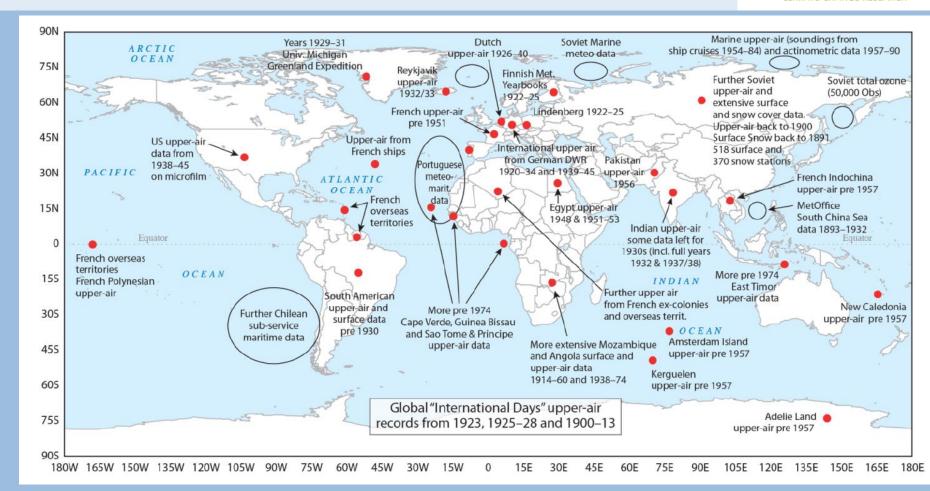
- T3.1 Data rescue for in-situ observations, quality control and metadata
 UBERN, METO, FFCUL, RIHMI, METFR
- > T3.2 Satellite data rescue, reprocessing and inter-calibration **EUMST**, METO
- > T3.3 Boundary constraints and external forcing **METO**, RIHMI, FMI



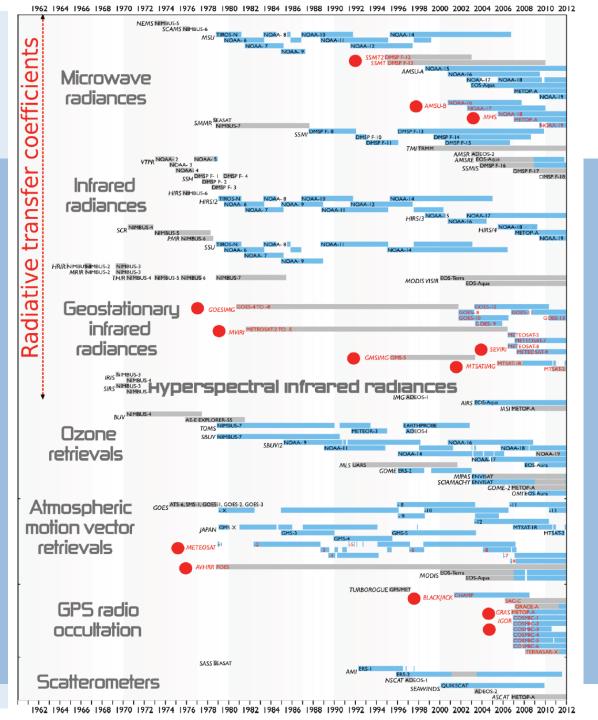


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Task 3.2





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Task 3.3



T3.3 - Boundary constraints and external forcing [Months: 1-36]

METO, RIHMI, FMI

Objectives for this task are to improve the model data needed for climate reanalysis, i.e. model boundary conditions and forcing data. The main contributors to this task are:

- METO: Improvements in HadISST2. For SST: make use of ESA CCI SST; implement any new bias adjustments. For SIC: make use of ESA CCI sea ice; incorporate new historic Arctic data on sea ice when available; consolidation of verification data for ice thickness in a common format. Refine ERA-CLIM prototype sfc/sub-sfc database, using ESA CCI output and quality feedback from reanalysis.
- FMI: Global estimates of snow extent and snow water equivalent (SWE) based on GlobSnow. Development of a consolidated quality-controlled data base of in-situ snow observations in collaboration with NSIDC and RIHMI

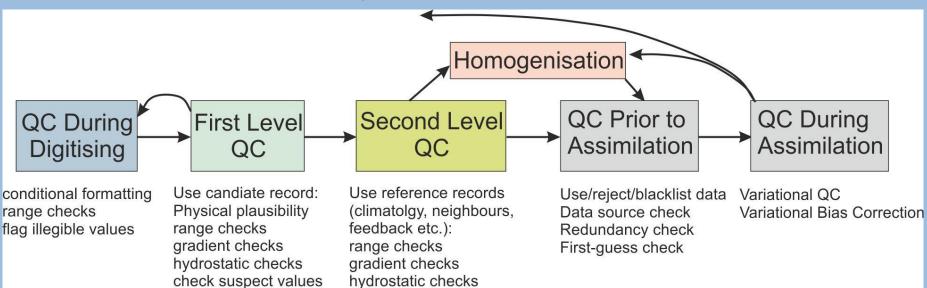
WP3 ERA-CLIM2



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- Continuation of ERA-CLIM (Tasks 3.1, 3.2)
 Sustained data rescue efforts (importat for reanalyses activities)
 Consortium exists, with little changes
- New: Land surface/snow, new partner (FMI)
- Workshop held in August in Bern on QC (Task 3.1) and WP4



Outline



- Overview (Stefan Brönnimann, UBERN)
- Report on Task 3.1
- Digitisation of Upper-Air Observations at UBERN (Alexander Stickler, UBERN)
- Recovery of early surface data; development of data rescue registry (Maria Antónia Valente, FFCUL)
- Activities of RIHMI related to Task 3.1 (Alexander Sterin, RIHMI)
- Activities of Météo France in WP3 (Sylvie Jourdain, METFR)
- Report on Task 3.2
- Satellite data reprocessing and inter-calibration(Rob Roebeling, EUMST)
- Activities of UK Met Office related to Tasks 3.2 and 3.3 (Chris Atkinson, Met Office)
- Report on Task 3.3
- Snow cover by satellite data and historical in-situ observations (Miia Salminen, FMI)
- Activities of RIHMI related to Task 3.3 (Alexander Sterin, RIHMI)
- Conclusions
- Discussion

Conclusions



CLIMATE CHANGE RESEARCH

- Senerally well underway (no major problems)
- Continuation is advantage

Discussion



- Faster delivery of bulk of data would suit needs of UBERN (discuss in break out?)
- Meeting needed in summer 2015 (break out?)
- Tasks 3.1, 3.2, 3.3 largely independent OK? Or do we need better integration?
- > Future data rescue activities (ACRE, ISTI, national) more concentrated? (break out?)